



Case study
Carlsberg

Preserving history with cutting-edge climate control

Advanced dehumidification with
DSS Pro at the Home of Carlsberg



Carlsberg brewery was founded in 1847.

At the historic Home of Carlsberg in Copenhagen, where the legacy of “Probably the best beer in the world” began, maintaining optimal conditions is crucial. During the restoration and expansion of the visitor center, Carlsberg converted several buildings, transforming them from production facilities into a dynamic exhibition and cultural attraction.

As part of the upgrade, the cellars were opened to visitors. Since the cellars are

The challenge

The Home of Carlsberg is not just a museum; it's a vibrant experience that showcases Denmark's brewing heritage. Up to several thousand visitors per day can explore interactive exhibits, enjoy the courtyard and sculpture garden, meet draught horses in the stables, and sample fresh beer at the Carlsberg Bar. The venue's diverse environments and the need to protect its historical artifacts required a robust and reliable climate control solution.

below the courtyard, they were heavily affected by humidity and mold. The existing AC units were insufficient, prompting an upgrade to a state-of-the-art Munters DSS Pro system to enhance their climate control.



“Even though the DSS Pro was a more expensive solution, there was a huge difference in energy cost for the system's operation”

Christian Løwe, Facility Manager at Carlsberg

A solution to make visitors comfortable

“Carlsberg contacted us to upgrade their climate control system as part of the expansion and renovation of their visitor center,” says Ömer Mor, Sales Engineer at AI Arkitekter & Ingeniører. “The buildings are old and had severe problems with humidity and mold since the old system was inefficient. We also wanted to create a nice fresh environment for the visitors.”

Munters DSS Pro is a dehumidification system with innovative design and superior performance. This comprehensive system features the revolutionary AirPro casing, offering enhanced durability, reduced air leakage, and lower energy consumption. It supports sustainable energy options, making it a future-proof solution for Carlsberg’s environmental goals.

“We evaluated several solutions presented by AI Arkitekter & Ingeniører, one being a traditional HVAC solution and one a solution based on dehumidification,” says Christian Løwe, Facility Manager at Carlsberg. “Even though the DSS Pro was a more expensive solution, there was a huge difference in energy cost for the system’s operation.”

Fully configurable and built to meet specific requirements, the DSS Pro system includes desiccant rotors and a configuration based on the specific needs of the Home of Carlsberg. The wide range of controls available with the DSS Pro guarantees smooth and efficient operation when it’s connected to the Building Management System (BMS).

“Today we have sensors in all rooms measuring temperature, humidity and CO₂ level and adapts the system based on the number of visitors” Christian Løwe, Facility Manager at Carlsberg

“We are very satisfied. We kept to the schedule and budget, and the system works as well as we expected.”

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A challenging installation

Installing the DSS Pro was a complex task, requiring one wall to be taken down to fit the system into the old and small rooms. Despite these installation challenges, the DSS Pro system was successfully integrated into the Home of Carlsberg. The new system immediately improved the indoor climate, ensuring the preservation of exhibits and enhancing visitor comfort.

“We are very satisfied with the DSS Pro system from Munters,” says Christian Løwe. “The system operates smartly, combining dehumidification and fresh air. An additional savings potential is that the system shuts down the ventilation when the museum is closed.”

Positive impact on visitors and staff

The installation of Munters DSS Pro at the Home of Carlsberg has significantly enhanced the climate control of this historic site.

Visitors now enjoy a more comfortable and engaging environment as they explore Carlsberg’s rich brewing history and interactive exhibits. The improved climate control ensures that exhibits are preserved in optimal conditions, enhancing the overall visitor experience.

For the staff, the improved climate conditions create a more pleasant and stable working environment, which is crucial for maintaining daily operations



smoothly. The DSS Pro system also supports Carlsberg’s commitment to sustainability, making it a win-win solution for both visitors, employees and the environment.

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Key benefits of the DSS Pro system

- **Performance:** Munters unique rotor technology efficiently removes humidity from the air with a configuration tailored to the Home of Carlsberg's needs.
- **Enhanced durability:** AirPro casing significantly improves DSS Pro performance and maximizes its service life.
- **Energy efficiency:** Efficient operation, reduced air leakage, and smart control lower energy consumption, contributing to Carlsberg's sustainability efforts.
- **Modular design:** The configurable components and modular installation made it possible to fit the system into the restricted space.
- **Compliance and quality:** Fully compliant with EN1886 standards and manufactured in an ISO 9001 certified facility, the DSS Pro system upholds Munters renowned quality.





Enhancing climate control at the Home of Carlsberg

Benefits:

- Improved indoor climate for exhibits, visitors and staff
- Energy-efficient operation thanks to Munters unique rotor technology and smart control so the system only works when needed
- Modular design for easy installation in limited spaces
- Compliance with industry standards



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- Do you want to know if Munters also have a solution for your company? Visit our website at www.munters.com.